

AMENDMENTS TO THE SPECIFICATION

Kindly replace paragraph [0029] with the following amended paragraph:

[0029] In operation, the detection unit 10 detects signals X and Y. Next, the calculation unit 20 calculates the slopes dX/dt and dY/dt of the detected signals X and Y, respectively, and the number of times [[of]] a sign of the slope changes from positive to negative or negative to positive, N_x and N_y , respectively. The control unit 30 outputs a control signal corresponding to the calibration termination and the calibration progress state on the basis of the slopes dX/dt and dY/dt and the number of slope sign changes N_x and N_y . Then, the display unit 40 displays the calibration termination and the calibration progress state for the geomagnetic sensor.